

Appl. No. 10/560,483
Amdt. Dated May 29, 2007
Reply to Office Action of February 26, 2007

Listing of Claims:

1. (currently amended) A fabric switch comprising:
an inner cord (12) including at least two conductive cords(12a-12n) releasably connected in linear series; and
a non-conductive cord(14) enclosing said inner cord(12),
wherein said non-conductive cord(14) is stretchable to release the contact between said at least two conductive cords(12a-12n) electrically.
2. (original) The switch of Claim 1, wherein the material of said non-conductive cord(14)defines a moisture-resistant enclosure for said inner cord(12).
3. (original) The switch of Claim 1, wherein said inner cord(12) and said non-conductive cord(14) are shaped in a loop form.
4. (original) The switch of Claim 1, wherein said inner cord(12) is coupled to a fabric circuit integrated in a garment.
5. (original) The switch of Claim 1, wherein said inner cord(12) serves as a coupling to an electronic device.

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6. (original) The switch of Claim 1, wherein said inner cord(12) serves as a coupling to a power source.

7. (original) The switch of Claim 1, wherein said inner cord(12) engages and supports ancillary units to transmit electronic signals.

8. (original) The switch of Claim 1, wherein said inner cord(12) is coupled to a fabric circuit integrated in furniture.

9. (withdrawn) A fabric switch comprising:
a matrix of woven fibers(20), said woven fibers(20) being electrically non-conductive;

a pair of conductive fibers(22,24) interwoven in said woven fibers (20) so as to form an electrical circuit; and,

wherein said conductive fibers(22,24) come in contact electrically when said woven fibers(20) are in a relaxed mode and come apart in a stretch mode.

10. (withdrawn) The switch of Claim 9, wherein said conductive fibers (22,24) are coupled to a fabric circuit integrated in a garment.

11. (withdrawn) The switch of Claim 9, wherein said conductive fibers (22,24) serve as a coupling to an electronic device.

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12. (withdrawn) The switch of Claim 9, wherein said conductive fibers (22,24) serve as a coupling to a power source.

13. (withdrawn) The switch of Claim 9, wherein said conductive fibers (22,24) engage and support ancillary units to transmit electronic signals.

14. (withdrawn) The switch of Claim 9, wherein said conductive fibers (22,24) are coupled to a fabric circuit integrated in furniture.

15. (currently amended) A method for permitting a person to activate a switch, said method comprising the steps of:

providing an inner cord(12) including at least two conductive cords(12a-12n) releasably connected in linear series and a non-conductive cord (14) enclosing said inner cord;

mounting both said inner cord (12) and said non-conductive cords 14) to a garment or furniture; and,

stretching said non-conductive cord (14) to release the contact between said at least two conductive cords(12a-12n).

16. (original) The method of Claim 15, further comprising the step of protecting said inner cord(12) from ambient conditions by enclosing it in said non-conductive cord (14) having a moisture-resistant material.

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17. (withdrawn) A method for permitting a person to activate a switch, said method comprising the steps of:

providing a matrix of non-conductive woven fibers (20) and a pair of conductive fibers (22,24) interwoven in said woven fibers(20) so as to form an electrical circuit;

mounting both said woven fibers (20) and conductive fibers(22,24) to a garment or furniture; and,

selectively stretching said woven fibers (20) so that said conductive fibers (22,24) come in contact electrically when said woven fibers (20) are in a relaxed mode and come apart in a stretch mode.

18. (Previously submitted) A fabric switch comprising:

at least two conductive fibers operatively associated with at least one non-conductive fiber so as to form an electrical circuit, wherein the conductive fibers connect when the at least one non-conductive fiber is in a first mode and disconnect when such fiber is in a second mode.